

67. An system for determining the glucose concentration in a tissue fluid, the system comprising:

- a microdialysis probe formed to be inserted into the tissue fluid,
- reservoirs formed to hold perfusion liquids with different glucose contents,
- a transport unit formed to perfuse the microdialysis probe with glucose-containing perfusate to obtain dialysate,
- a flow-through measuring cell downstream of the microdialysis probe, the cell being formed to register measurement signals that correlate with the glucose content of the dialysate, and
- a control device connected to the measuring cell, the control device including a flow mixer having an inlet side connected to the reservoirs and an the outlet side connected to the microdialysis probe, the flow mixer being formed to act as an adjuster to regulate the starting content of glucose in the perfusate.

REMARKS

The specification has been amended at page 1 lines 6-7 and page 2 lines 10-13 to remove the numeric reference to the claims. Support for the amendments is found in original claims 1-22. No new matter is added by virtue of the amendment to the specification.

Claims 1-22 are cancelled without prejudice or disclaimer of the subject matter claimed therein. Claims 23-67 are added. Support for the new claims is found in the specification and drawings. Claims 23, 51, and 67 are independent claims. No new matter is added by virtue of the new claims. While the claims as submitted with the original application conform with U.S. statutory requirements and are believed to be allowable, it is hereby requested that the claims in this preliminary amendment be considered for examination. The purpose in submitting these new claims is merely a matter of preference in describing the claimed invention, and is not meant as a reflection of changes deemed necessary for patentability purposes.

The claims as submitted herein are believed to be in condition for allowance, and allowance of the application is respectfully requested. In addition, it is respectfully requested that this paper be considered as a Petition for an Extension of

Time sufficient to effect a timely response and charge all fees to Deposit Account
Number 50-0877 with reference to (RDID 0050 US).

Respectfully submitted,

Date: _____

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